

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Vertex Pharmaceuticals IncorporatedApplication No./Patent No.: 10/790,507Filed/Issue Date: 03/01/2004Titled: TARGET LIGAND GENERATIONVERTEX PHARMACEUTICALS INCORPORATED, aMASSACHUSETTS CORPORATION

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
- the patent application/patent identified above, by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 016575, Frame 0802, or for which a copy therefore is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Stephen Nesbitt

Printed or Typed Name

March 3, 2009

Date

Chief Patent Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 23, 2005

PTAS

700198103AY. ROCKY TSAO
FISH & RICHARDSON P.C.
225 FRANKLIN STREET
BOSTON, MA 02110-2804***700198103A***UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 07/26/2005

REEL/FRAME: 016575/0802

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 14435-004P01, 4001, 4W01

ASSIGNOR:

PIERCE, ALBERT C.

DOC DATE: 02/02/2004

ASSIGNOR:

BEMIS, GUY W.

DOC DATE: 02/02/2004

ASSIGNEE:

VERTEX PHARMACEUTICALS

INCORPORATED

130 WAVERLY ST.

CAMBRIDGE, MASSACHUSETTS 02139-4242

016575/0802 PAGE 2

SERIAL NUMBER: 60450723 /
PATENT NUMBER:
TITLE: TARGET LIGAND GENERATION

FILING DATE: 02/28/2003
ISSUE DATE:

SERIAL NUMBER: 10790507 /
PATENT NUMBER:
TITLE: TARGET LIGAND GENERATION

FILING DATE: 03/01/2004
ISSUE DATE:

SERIAL NUMBER:
PATENT NUMBER:
PCT NUMBER: US0406131 /
TITLE: TARGET LIGAND GENERATION

FILING DATE: 03/01/2004
ISSUE DATE:

JEFFREY OLSEN, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01/28/2005
700198103

Substitute Form PTO-1696
Attorney Docket No.: 14435-004P01, 14435-004D01, 14435-004W01
Client's Ref. No.: VP003-12-PROV

RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Albert C. Pierce and Guy W. Bemis Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Vertex Pharmaceuticals Incorporated 130 Waverly St. Cambridge, MA 02139-4242 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: February 2, 2004	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 60/450,723 10/790,607 PCT/US2004/006131 Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
5. Name/address of party to whom correspondence concerning document should be mailed: Y. Rocky Tsao Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 3 7. Total fee (\$7 CFR §3.41): \$120 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Y. Rocky Tsao Reg. No. 34,053 Name of Person Signing Y. Rocky Tsao Signature 7-26-05 Date Total number of pages including coversheet, attachments and document: 4	

20873544.doc

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

7/25/05
Date of Transmission
Signature
Signature
Typed Name of Person Signing Certificate

ASSIGNMENT

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned **Albert C. Pierce of Cambridge, MA; and Guy W. Bemis of Arlington, MA** hereby:

Sell, assign and transfer to **Vertex Pharmaceuticals Incorporated**, having a place of business at **130 Waverly Street, Cambridge, MA 02139-4242**, its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in the application for United States Letters Patent entitled **"TARGET LIGAND GENERATION"** filed **HEREWITH**, and given serial number 10/790,507 (*I/We authorize Vertex Pharmaceuticals, Incorporated to fill in the blank when a serial number is assigned.*) in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said inventions; including International Patent Application Number PCT/US04/006131 and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said inventions including the right to apply for patent rights in each foreign country and all rights to priority deriving from any of the above-identified application(s) including, but not limited to the following priority application(s):

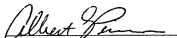
<u>60/450,723</u>	<u>US</u>	<u>February 28, 2003</u>
Application No.	Country	Filing Date

Agree that said ASSIGNEE may apply for and receive Letters Patent for said inventions in its own name; and when requested, without charge to but at the expense of said ASSIGNEE, agree to carry out in good faith the intent and purpose of this assignment by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said ASSIGNEE all facts known to us relating to said inventions and the history thereof, and generally by doing everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said ASSIGNEE.

Hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

Covenant with said ASSIGNEE that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

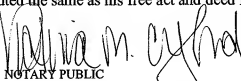
IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE, MA,
this 2nd day of February, 2004.


Albert C. Pierce

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX


Before me this 2nd day of February, 2004, personally appeared
the above known to me to be the person whose name of subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.


NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: MARCH 6, 2009

IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE, MA,
this 2nd day of February, 2004.


Guy W. Bemis

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

Before me this 2nd day of February, 2004, personally appeared
the above known to me to be the person whose name of subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.


NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires: MARCH 6, 2009